

SAFETY DATA SHEET

Armillatox Limited

The Colliery Industrial Estate

Main Road

Morton

Alfreton

Derbyshire

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DATE :- 1st JUNE 2003

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF COMPANY.

COMPANY NAME: Armillatox Ltd, The Colliery Industrial Estate, Main Road, Morton,
Alfreton , Derbys. DE55 6HL

PRODUCT NAME: Armillatox Outdoor Cleaner

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>SUBSTANCE</u>	<u>CONCENTRATION</u>	<u>C.A.S. No</u>	<u>SYMBOL</u>	<u>RISK PHRASES</u>
High Boiling Tar Acids	up to30%	84989-05-9	Xn,Xi.	22,36/38
Castor Oil Soap	up to 30%		Xi	36/38

3. HAZARD IDENTIFICATION

HEALTH EFFECTS :- Harmful if swallowed.
Irritating to eyes and skin and respiratory system.

4. FIRST-AID MEASURES

Remove all contaminated clothing immediately. Obtain first-aid treatment.

INHALATION :- Remove to fresh air.

SKIN-CONTACT :- Wash with plenty of soap and water for at least 5 minutes.

EYE-CONTACT :- Flood eyes with water or eyewash solution for not less than 10 minutes.

INGESTION :- Rinse the mouth and give quantities of water.

DO NOT INDUCE VOMITING.

SEEK MEDICAL ADVICE.

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5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA :- Dry powder, foam or water spray..
UNSUITABLE EXTINGUISHING MEDIA :- Water jet
SPECIAL PROTECTIVE EQUIPMENT :- Full protective clothing.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS :- P.V.C./synthetic rubber gloves, Goggles / faceshield.
Helmet, protective footwear, overalls and barrier creams.
ENVIRONMENTAL PRECAUTIONS :- Should not be allowed to enter sewers and water courses. If
this cannot be avoided the appropriate authorities should be
informed.
METHODS FOR CLEANING UP :- Absorb in earth or sand and place in containers for
disposal. Ventilate area and wash spill site thoroughly after
material pick-up is complete.

7 HANDLING AND STORAGE-

PRECAUTIONS DURING HANDLING :- Material should only be handled by trained personnel.
Effective ventilation is necessary to prevent build-up of
vapour.
PRECAUTIONS DURING STORAGE :- Keep containers tightly closed and away from sources of
heat. Bulk quantities should be stored in properly designed
and installed systems.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION.

CONTROL LIMITS :- Not defined in latest edition of EH40.
RESPIRATORY PROTECTION :- Not relevant
HAND PROTECTION :- P.V.C./synthetic rubber gloves
EYE-PROTECTION :- Goggles/faceshield.
SKIN PROTECTION :- Helmet, protective footwear, overalls and barrier creams.
GENERAL :- Contaminated clothing should not be worn. Contaminated
rags should not be put in pockets. Under and outer clothing
should be changed regularly. Shower or bathe at end of
work.

9. PHYSICAL AND CHEMICAL PROPERTIES.

APPEARANCE :- Dark brown to black clear viscous liquid.
ODOUR :- Characteristic
pH :- --

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BOILING POINT	:-	Not relevant
MELTING POINT	:-	Not relevant
FLASHPOINT	:-	Not relevant
FLAMMABILITY	:-	--
AUTOFLAMMABILITY	:-	--
OXIDISING PROPERTIES	:-	--
VAPOUR PRESSURE	:-	--
DENSITY	:-	APPROX 1027(kg/m ³)(15,5 ⁰ C)
BULK DENSITY	:-	--
VISCOSITY	:-	--
SOLUBILITY	:-	miscible with water in all proportions
PARTITION CO-EFFICIENT	:-	--
OTHER DATA	:-	--

10. STABILITY AND REACTIVITY

STABILITY	:-	Stable within temperature range 5 - 30°C
CONDITIONS TO AVOID	:-	
HAZARDOUS DECOMPOSITION PRODUCTS	:-	

11 TOXICOLOGICAL INFORMATION.

TOXICOLOGICAL DATA	:-	Absorbed into the body by ingestion and through the skin. Causes eye irritation and can cause skin irritation. Short-term exposure to high concentrations of the vapour may cause headaches and nausea and respiratory irritation Swallowing (ie concentrated material may cause nausea and discomfort. LD ₅₀ Oral : Rat approx. 1000 mg/kg
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12. ECOLOGICAL INFORMATION

MOBILITY :-
PERSISTENCE AND DEGRADABILITY :- Readily biodegradable
BIOACCUMULATIVE POTENTIAL :-
ECOTOXICITY:- FISH (96 hr LC₅₀) :-
DAPHNIA (48 hr EC₅₀) :-
ALGAE (72 hr IC₅₀) :-

13 DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT :- Dispose of in accordance with Local Authority and National Regulations.
DISPOSAL OF PACKAGING :- Dispose of in accordance with Local Authority and National Regulations.
NATIONAL OR REGIONAL LEGISLATION :- Disposal should be carried out in compliance with Part 2 of the E.P.A. 1990. Consult your local waste regulatory authority if in doubt.

14 TRANSPORT INFORMATION

U.N. No. :- Not classified as hazardous for transport
Proper Shipping Name :-
Hazchem :-
ADR/RID :-
IMCO :-
ICAO :-
Packaging Group :-
Label :-
TremCardNo. :-

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15 REGULATORY INFORMATION

CLASSIFICATION :-	HAZARD 1: Harmful (Xn)
	HAZARD 2: Irritant (Xi)
RISK PHRASES :-	R 21/22 Harmful in contact with skin and if swallowed R36/38 Irritating to eyes and skin
LABEL :-	Harmful (Xn) R 21/22 Harmful in contact with skin and if swallowed R36/38 Irritating to eyes and skin S36/37 Wear suitable protective clothing and gloves S2 Keep out of reach of children
C.A.S. REGISTRY NO	:- Intentional Mixture.
EINECS NO	:- Intentional Mixture
CUSTOMS TARIFF	:- 380890-90-00
EMS No.	:-
MFAG	:- `
EXPOSURE LIMITS	:- Not defined in latest edition of EH40
NATIONAL LEGISLATION	:- Chemical (Hazard Information and Packaging for Supply Regulations) S.I. 3247 (1994) and subsequent amendments The Control of Substances Hazardous to Health Regulations S.I. 1657(1988). and amendments Carriage of Dangerous Goods Regulations

16 OTHER INFORMATION

RECOMMENDED USES	:- Customers are urged to ensure that the product is entirely suitable for their own purpose. Consult the label. It is the customers responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.
SOURCES OF REFERENCE	:-
FURTHER INFORMATION	:-
DUTY TO END USER	:-

17. REVISIONS AND UPDATES.

Armillatox Limited has endeavoured to use reasonable care in compiling this information which is to the best of our knowledge accurate at the date of publication and which is supplied in compliance with its obligations under the Health & Safety at Work etc. Act, 1974. This safety data sheet is prepared in accordance with the requirements set out in the Approved Code of Practice which provides guidance on Regulation 6 of the Chemicals (Hazard Information and Packaging for Supply) Regulations. This follows the format for a safety data sheet set out in EEC Directive 91/155. Future revisions will incorporate such information as is required but which is not available at this time.

